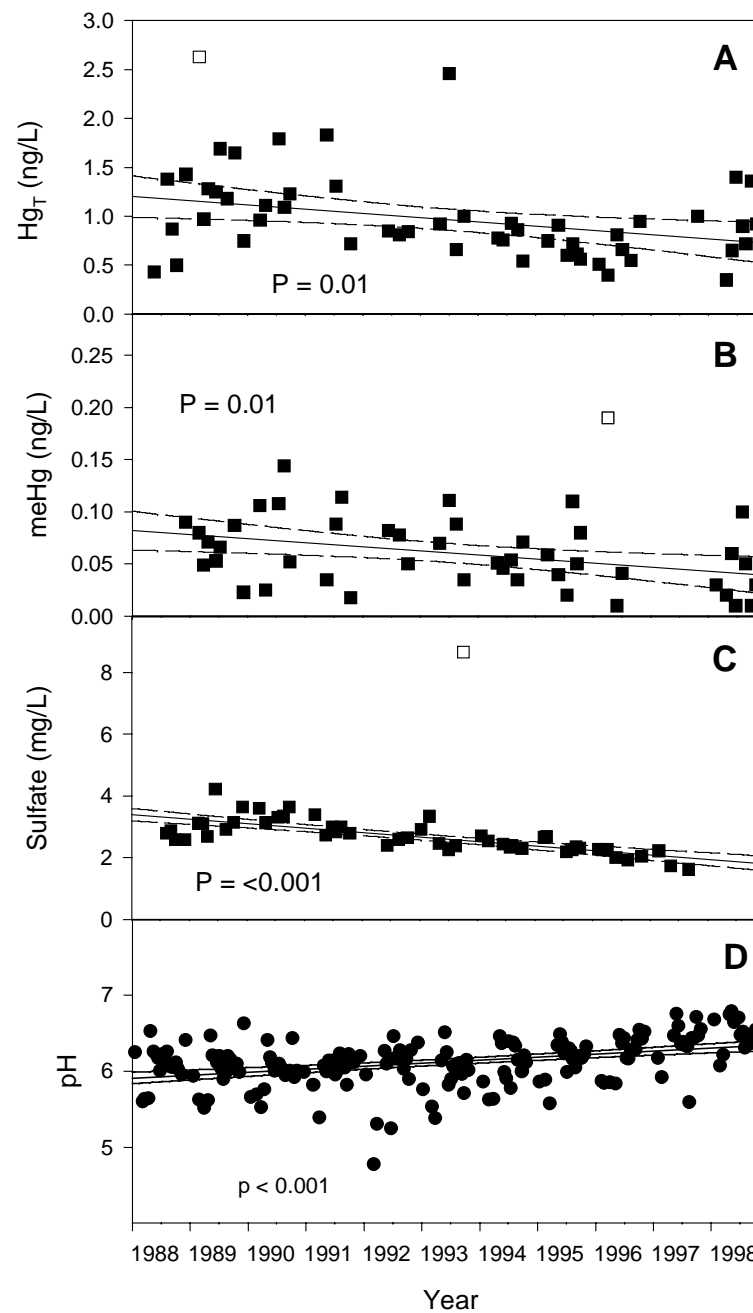


Recent Trends in Little Rock Lake
1988-1999

Mercury in Lake Water

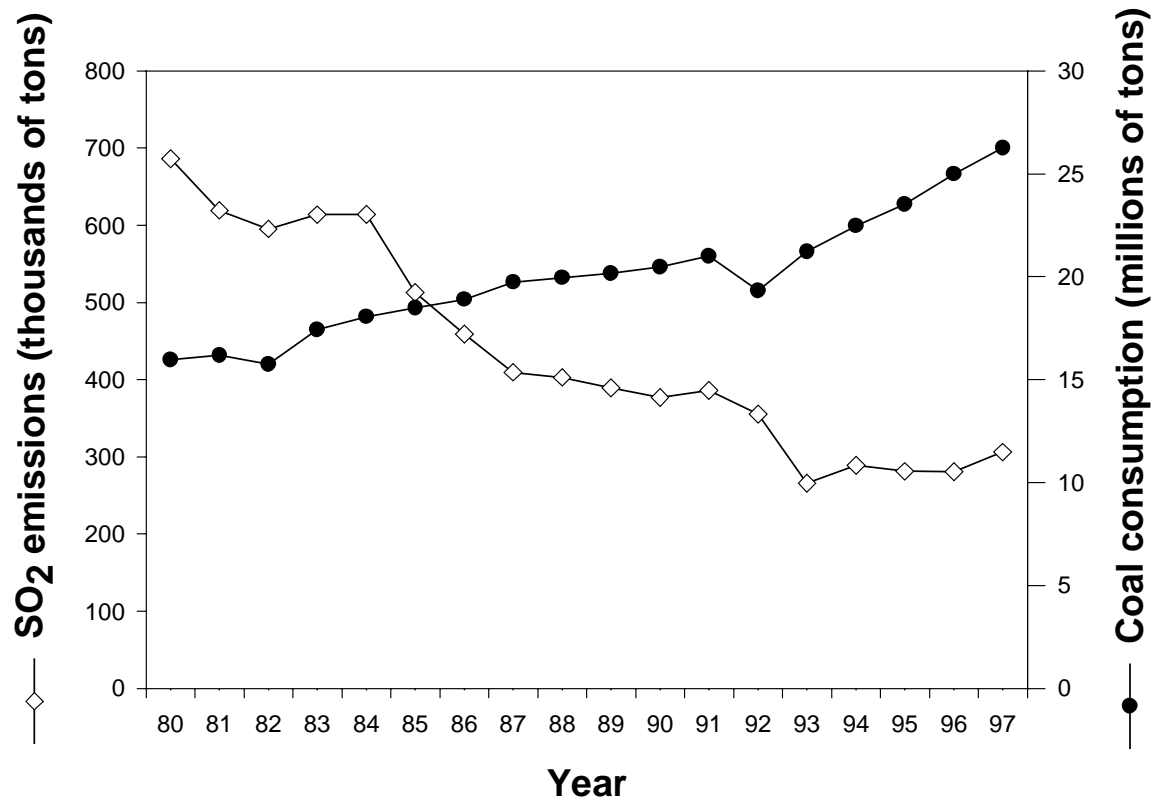
**Acid Rain Fingerprints
In Lake Water**



Summary of changes observed in Little Rock Lake during recent years

	Time Period	Average Rate of Change (% per year)
Atmospheric Sulfate Deposition	1988-2000	-4
Lake Water Sulfate Concentration	1988-2000	-5
Atmospheric Hg Deposition	1995-1999	-10
Lake Water Hg Concentration	1995-1999	-5
Yellow Perch Hg	1994-2000	-5

Recent Trends in Sulfur Dioxide Emissions and Coal Consumption In Wisconsin



Source: WDNR PUBL-AM -290-99

Recent Trends In Mercury Emissions

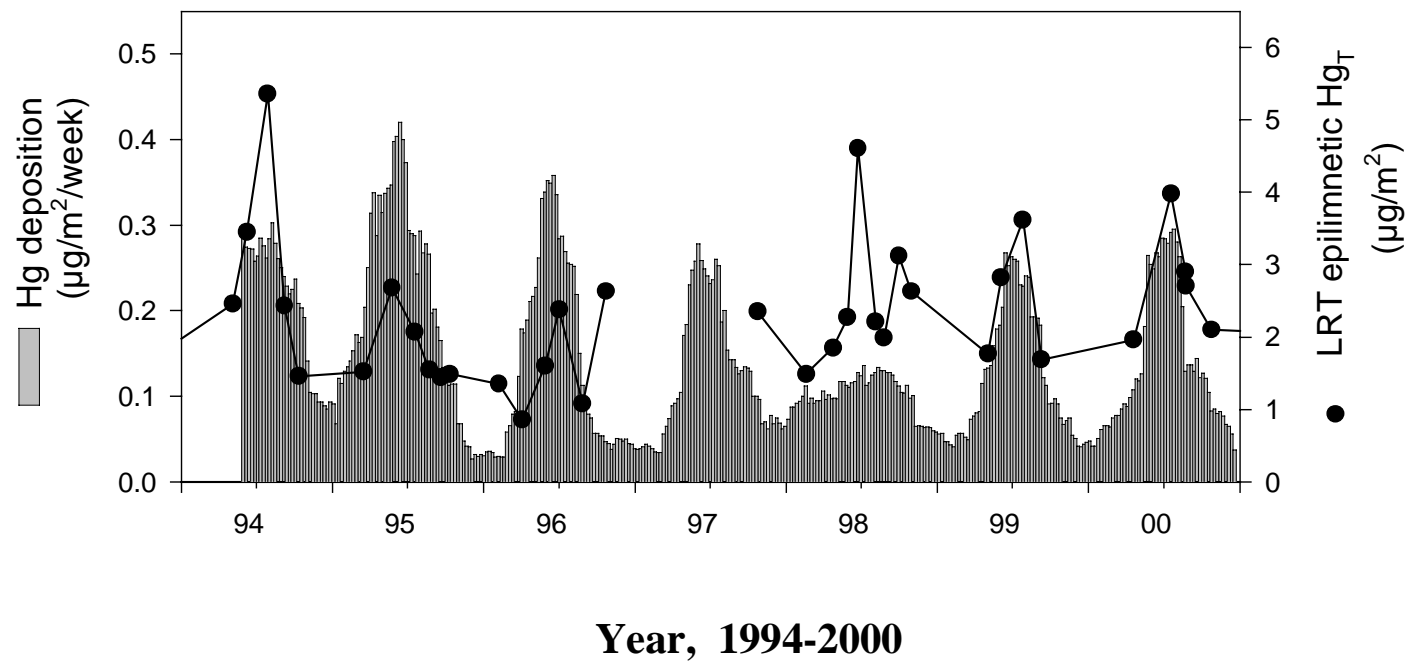
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Ban on Mercury in House Paint

Removal of Mercury from Batteries

Closure of White Pine Smelter

Seasonal Cycle of Mercury in Lake Water Compared to Seasonal Cycle of Atmospheric Mercury Deposition



Summary

Lakes have responded positively to declines in Acid Rain over the past 3 decades. This positive response has been observed in many regions of the northern hemisphere where controls on SO₂ emissions are in effect.

Evidence from Little Rock Lake indicates that lakes may respond even more rapidly to changes in atmospheric mercury deposition.